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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/995,779	11/29/2001	Hideki Isohata	122.1477	1716

21171 7590 12/17/2003

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EXAMINER

QUARTERMAN, KEVIN J

ART UNIT PAPER NUMBER

2879

DATE MAILED: 12/17/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/995,779

Applicant(s)

ISOHATA ET AL.

Examiner

Kevin Quarterman

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 29 November 2001.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-26 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 29 November 2001 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. §§ 119 and 120**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☒ All    b) ☐ Some \*    c) ☐ None of:  
1. ☒ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.  
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)                      4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)                      5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2.                      6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Specification***

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.
2. The following title is suggested: --PLASMA DISPLAY APPARATUS WITH MAIN FRAME AND ADHESIVES HAVING HOLES--.

### ***Drawings***

3. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference sign(s) not mentioned in the description: Reference characters 25, 27, and 29 of Figures 7-11 are not mentioned in the description. A proposed drawing correction, corrected drawings, or amendment to the specification to add the reference sign(s) in the description, are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.
4. Figures 1-3 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

### ***Claim Rejections - 35 USC § 102***

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

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(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. Claims 1-26 are rejected under 35 U.S.C. 102(e) as being anticipated by Isohata (US 6288489).

7. The applied reference has a common inventor with the instant application.

Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

8. Regarding independent claim 1, Figure 4 of Isohata shows a plasma display apparatus comprising a plasma display panel (10), circuit substrates (11, 12) having drive circuits (13) to drive the plasma display panel, a main frame (17) to mount the circuit substrates, and adhesive tapes (18) to fix the plasma display panel to the main frame, wherein the main frame comprises plural small holes (7) provided where the adhesive tapes are fixed.

9. Regarding claim 2, Figure 6A of Isohata shows the plural small holes arranged regularly at established intervals.

10. Regarding claim 3, Figure 7A of Isohata shows the main frame comprising plural small recesses on the portion, to which the adhesive tapes are fixed, of the surface to which the adhesive tapes are fixed.

11. Regarding claim 4, Figure 6A of Isohata shows the plural small recesses arranged regularly at established intervals.

12. Regarding claim 5, Figure 6A of Isohata shows the main frame comprising plural small recesses provided on the surface opposite to the one to which the adhesive tapes are fixed.

13. Regarding claim 6, Figure 6A of Isohata shows the plural small recesses, provided on the surface opposite to one to which the adhesive tapes are fixed, arranged regularly at established intervals.

14. Regarding claim 7, Figure 6A of Isohata also shows the main frame comprising plural small projections on the surface opposite to one to which the adhesive tapes are fixed.

15. Regarding claim 8, Figure 6A of Isohata shows the plural small projections arranged regularly at established intervals.

16. Regarding claim 9, Figure 6A of Isohata shows the adhesive tapes comprising plural small holes (6).

17. Regarding claim 10, Figure 6A of Isohata shows the plural small holes arranged at established intervals.

18. Regarding claim 11, Figure 5 of Isohata also shows the adhesive tapes comprising plural small recesses on the surface in contact with the plasma display panel.

19. Regarding claim 12, Figure 5 of Isohata shows the plural small recesses on the adhesive tapes arranged regularly at established intervals.

20. Regarding independent claim 13, which is basically a combination of independent claim 1 and claim 3, Isohata discloses like limitations of independent claim 1 and claim 3, as discussed earlier.

21. Regarding claim 14, Figure 6A of Isohata shows the plural small recesses arranged regularly at established intervals.

22. Regarding claim 15, Figure 6A of Isohata shows the main frame comprising plural small recesses provided on the surface opposite to the one to which the adhesive tapes are fixed.

23. Regarding claim 16, Figure 6A of Isohata shows the plural small recesses, provided on the surface opposite to one to which the adhesive tapes are fixed, arranged regularly at established intervals.

24. Regarding claim 17, Figure 6A of Isohata shows the main frame comprising plural small projections on the surface opposite to one to which the adhesive tapes are fixed.

25. Regarding claim 18, Figure 6A of Isohata shows the plural small projections arranged regularly at established intervals.

26. Regarding claim 19, Figure 6A of Isohata shows the adhesive tapes comprising plural small holes (6).

27. Regarding claim 20, Figure 6A of Isohata shows the plural small holes arranged at established intervals.

28. Regarding claim 21, Figure 5 of Isohata also shows the adhesive tapes comprising plural small recesses on the surface in contact with the plasma display panel.
29. Regarding claim 22, Figure 5 of Isohata shows the plural small recesses on the adhesive tapes arranged regularly at established intervals.
30. Regarding independent claim 23, which is basically a combination of independent claim 1 and claim 9, Isohata discloses like limitations of independent claim 1 and claim 9, as discussed earlier.
31. Regarding claim 24, Figure 6A of Isohata shows the plural small holes arranged at established intervals.
32. Regarding independent claim 25, which is basically a combination of independent claim 1 and claim 11, Isohata discloses like limitations of independent claim 1 and claim 11, as discussed earlier.
33. Regarding claim 26, Figure 5 of Isohata shows the plural small recesses on the adhesive tapes arranged regularly at established intervals.

### ***Conclusion***

34. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Won (US 6330148) discloses a flat panel display module for computers.

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**Contact Information**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin Quarterman whose telephone number is (703) 308-6546. The examiner can normally be reached on M-F (8-4:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel can be reached on (703) 305-4794. The fax phone number for the organization where this application or proceeding is assigned is (703) 308-7382.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

Kevin Quarterman  
Examiner  
Art Unit 2879

*for*  
Nimesh Patel  
Supervisory Patent Examiner  
Art Unit 2879

*Joseph Williams  
Joseph Williams*

kq *[Signature]*  
December 14, 2003